MNTeSIG Meeting Minutes 11/19/2021

Scribe: Matthias Pleil, SCME PI, mpleil@unm.edu

# Attendees (22, in green)

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| Matthias Pleil |
| Vimla |
| Marco Curreli |
| Billie Copley |
| Abdelaali Fargi |
| Pamela Auburn |
| Deb Newberry AC |
| Janet Pinhorn |
| RAY TSUI |
| Quinn Spadola |
| Maria Fernanda Campa |
| Andrew Bell |
| Jim Hyder |
| Richard Hill |
| Tanya Faltens |
| James Smith |
| Greg Kepner |
| Mel Cossette |
| Nathan Jackson |
| Terryll Bailey |
| Valerie Kovach |
| Kendra L Wallis |
| Jared Ashcroft |
| Kate Alcott |
| Cait Cramer |
| Jim Marti |
| Demis John |
| Daniel Kainer |
| Len McNally |
| Joe Maxwell |
| Robert Kenneth Ehrmann |
| Mary Ann Nickloy |
| G.H. Massiha  John Wood  Adarsh Radadia  Mary Ann Nickloy  Jonathan Friedman  Kyaw Ya  Pascal  Peter K.  Sophia  Randy |

Let Matt know if I missed anyone.

# Updates and Discussion

## MNT-EC URE Update – Jared

* Pitched the MNT-EC URE experience. $3k/student – reach out to Jared. These are comprised of a longer commitment – online followed by hands-on at one of many sites.

## SCME URE Update

* SCME one-week or two week sessions. Online short courses required prior to coming out. Safety short course and review of the Pressure Sensor process and a few other base.
* We try to have faculty with their students as SCME also has Professional Development funds in addition to the URE student funds.
* Last year, SCME also added a stipend for students to do a poster at the virtual poster session.

## MNTeSIG Live! 2022 – Need some Help!

## July 25 -28, 2022 for HI-TEC in Salt Lake City, UT, check out the HI TEC Website

* ½ day at the Utah HI TEC Conference plus a tour(?). Want to add a virtual version the week prior to HI TEC for those that don’t want to travel and for the student poster session.
* Do some pre-recorded presentations for the virtual and web
* There will be free passes to the conference (conference fee). Some centers may have some funds for travel, but this is pretty limited.
* Peter suggested advertising to all the MNT ATE projects/centers to attend.
* Requested assistance for planning team, volunteers from chat box:
  + Janet Pinhorn only one in the chat box…
  + We need more takers!
* Consider submitting MNT presentations to HI TEC and/or the MNTeSIG conference.

## MNTeSIG Live 2021! Evaluation Presentation – Terryll Bailey

* Refer to the posted slides on the MNTeSIG.net website: <https://www.mntesig.net/conference-2021-evaluation.html>
* Good balance of University/Industry/2yr and HS participants.
* Mostly faculty but a significant uptic in students – due to the poster session for URE students.
* More women than the last few years, about 30% or so.
* Meeting Quality – overall very good marks. Overall 3.48/4.00. About 80% were extremely likely to suggest colleagues to come.
* Poster Session was new this year, folks who used the headset found the session to be very good, a bit lower for those that used the computer interface.
* Outcomes – ranking was consistent with previous years. Top 3 – Learn about topics, Cultivate new connections, Networking
* Working Groups: most interest in the curriculum and professional development. Industry involvement close in the ranking.
* Testimonial highlighted: “It was much better than many of the virtual meeting I have attended in the past year, well organized and time to chat with colleagues.”
* Overall attendance in virtual conference is higher than face to face. This supports the hybrid model being considered for 2022.

## Professional Development Team – Peter K.

* Less Prof Dev in Winter – Check out nano4me.org for Nack’s offerings
* Went over Professional Development Design Principles:
  + Time for community engagement with fellow scientists and educators
  + Post-Session Follow-up (with potential action items if needed)
  + Interaction: via multiple modes – chat, audio, polls, breakout rooms, jamboards…
  + Programmed pause time (built into slides) to promote response, even if whole audience
  + Build Community – create space
* Feel free to reach out to Jim Smith, Peter K, or Bob E. to join this working group.

## Distance Education – No update

## Curriculum Team – Marco C.

* Canvas shell has been created – every month a topic is added (module) – plan to finish first course by April or May
  + They are using existing modules.
  + Canvas is what is being used more and more by institutions, easy to share.
  + Matt will be moving from Moodle to Canvas moving forward.

## Outreach, Distance Learning – Greg Kepner

* MNT-EC new bulletin is now being pushed out – get with Billie and Greg for adding info into the bulletin and to get on the mailing list. This is produced quarterly.
* Prompt will be coming out in Mid - January to cover Feb/March/April events.
* Check out the outreach bulletin for November: <https://micronanoeducation.org/mnt-ec-outreach-bulletin-november-2021/>
* Next initiative to get more folks on the MNTeSIG team. Make sure newbies sign up through the MNTeSIG.net website (or send Matt a list and he can add it into the Constant Contact listing)

## Industry Working Group – Matthias Pleil and Cait Cramer

* We went through the employability skills, updated and finalized the employability skills for the Microsystems category. So we now have KSA’s, then converted the A’s to the E’s – employability skills. K&S’s have rankings, E’s have levels associated with them.
* We are looking for more folks for the next group – Nano Bio industry folks. We need help recruiting these folks.
* Trends Meeting in January – welcome to attend and listen in!
* Next (Nano Bio) KSA meeting in April
* Feel free to join us, minutes also available upon request.

Matt’s SEM is back up and running, let me know if you want a RAIN session.